



Sheet 1 of 1

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)	ATTORNEY DOCKET NO.	APPLICATION NO.
	1830.1020	
	FIRST NAMED INVENTOR	
	Hiroshi YOKOYAMA et al.	
	FILING DATE	GROUP ART UNIT
	April 07, 2006	

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA	4,223,128	9-16-1980	George W. HALEK et al.			
	AB	5,597,891	1-28-1997	Gregory W. NELSON et al.			
	AC						
	AD						
	AE						
	AF						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	TRANSLATION YES NO		ABSTRACT
	AG	1 095 960	5-2-2001	Europe			
	AH						
	AI						
	AJ						
	AK						
	AL						

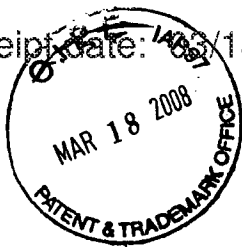
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

TRANSLATION
YES NO

	AM			
--	----	--	--	--

EXAMINER /Terressa Boykin/	DATE CONSIDERED 04/26/2011
-----------------------------------	-----------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.


ATTACHMENT 1(g)

LIST OF ADDITIONAL SUBMITTED DOCUMENTS	ATTORNEY DOCKET NO.	APPLICATION NO.
	1830.1020	
	FIRST NAMED INVENTOR	
	Hiroshi YOKOYAMA et al.	
	FILING DATE	GROUP ART UNIT
	April 07, 2006	

The following document(s) is/are listed in accordance with the duty of disclosure provisions of 37 CFR § 1.56, so that the Examiner may consider same should he deem any thereof to be material to examination of the subject application.

It is requested that the Examiner acknowledge his consideration of document(s) below-listed by initialing same in the space provided adjacent each such application and that the Examiner sign and date this form at the bottom thereof to confirm such consideration having been given.

This submission in no way represents an admission that any of the information listed herein constitutes prior art with respect to the subject application; and unless and until such prior art status is established, this submission is not a request that the information presented herein be printed on the face of any patent issuing from the subject application in which this information is being filed.

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA						
	AB						

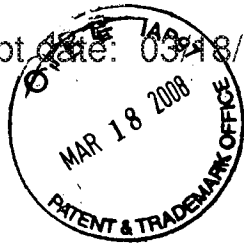
FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO	
	AC							
	AD							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

						TRANSLATION YES NO	
	AE	European Patent Office Action, mailed February 22, 2008 and issued in corresponding European Patent Application No. 04792166.					

EXAMINER /Terressa Boykin/	DATE CONSIDERED 04/26/2011
*EXAMINER: Initial if document considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



ATTACHMENT 1(e)

EXPLANATIONS OF RELEVANCY OF REFERENCES	ATTORNEY DOCKET NO.	APPLICATION NO.
	1830.1020	
	FIRST NAMED INVENTOR	
	Hiroshi YOKOYAMA et al.	
	FILING DATE	GROUP ART UNIT
	April 07, 2006	

- References AA, AB and AG were cited in a European Search Report issued on February 22, 2008 in corresponding Europe Patent Application No. 04792166.
- Please note that U.S. 3,110,547 cited on the Search Report was previously submitted in an Information Disclosure Statement filed on April 7, 2006.